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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

| | | |
|---|--|----------------|
| Attorney Docket No. | | 2557-000160/US |
| First Inventor | Tae-Jung LEE et al. | |
| Title | CELL STRUCTURE OF NON-VOLATILE MEMORY DEVICE AND METHOD FOR FABRICATING THE SAME | |
| Express Mail Label No. <input type="text"/> | | |

10/621571
07/18/03

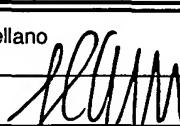
| | | |
|---|--|---|
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | | ADDRESS TO: Commissioner for Patents Box Patent Application P.O. Box 1450 Alexandria, VA 22313-1450 |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input type="checkbox"/> Applicant claims small entity status. <i>See 37 CFR 1.27.</i> 3. <input checked="" type="checkbox"/> Specification [Total Pages <input]<="" span="" type="text" value="18"/> <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <input]<="" span="" type="text" value="9"/> 5. Oath or Declaration [Total Pages <input]<="" span="" type="text" value="3"/> <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>) 8. Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>) <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies |
| ACCOMPANYING APPLICATIONS PARTS | | |
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney 11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (<i>Should be specifically itemized</i>) 15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (<i>if foreign priority is claimed</i>) 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: _____ | | |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____
 Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

| | | | | | |
|---|----------------------------------|--|--|--|---------------|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | | 30593 30593 (Insert Customer No. or Attach bar code label here) | or <input type="checkbox"/> Correspondence address below | | |
| Name | Harness, Dickey & Pierce, P.L.C. | | | | |
| Address | P.O. Box 8910 | | | | |
| City | Reston | State | VA | Zip Code | 20195 |
| Country | United States of America | Telephone | 703-668-8000 | Fax | 703-668-8200 |
| Name (Print/Type) | | John A. Castellano  | | Registration No. (Attorney/Agent) 35,094 | |
| Signature | | | | Date | July 18, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

1834 U.S. PTO
07/18/03**TOTAL AMOUNT OF PAYMENT** (\$ 1054.00)**Complete if Known**

| | |
|--------------------|---------------------|
| Application Number | NEW |
| Filing Date | July 18, 2003 |
| Inventor(s) | Tae-Jung LEE et al. |
| Examiner Name | Unknown |
| Group / Art Unit | Unknown |

Attorney Docket No. 2557-000160/US

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account Number 08-0750
- Deposit Account Name Harness, Dickey & Pierce, P.L.C.
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:
 Check Credit card Money Order Other
FEE CALCULATION (continued)1. **BASIC FILING FEE**

| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description | Fee Paid |
|-----------------------|----------|-----------------------|----------|------------------------|----------|
| 101 | 750 | 201 | 375 | Utility filing fee | 750.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 520 | 207 | 260 | Plant filing fee | |
| 108 | 750 | 208 | 375 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 750.00)

2. **EXTRA CLAIM FEES**

| Total Claims | 30 | -20 ** | = 10 | Extra Claims | Fee from below | Fee Paid |
|--------------------|----|--------|------|--------------|----------------|----------|
| Independent Claims | 4 | -3 ** | = 1 | X 84 | = 84. | |
| Multiple Dependent | | | | X | | |

| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description |
|-----------------------|----------|-----------------------|----------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |
| 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 264.00)

**or number previously paid, if greater; For Reissues, see above

3. **ADDITIONAL FEES**

| Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|-----------------------|-----------------------|----------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 410 | 216 | 205 | Extension for reply within second month | |
| 117 | 930 | 217 | 465 | Extension for reply within third month | |
| 118 | 1,450 | 218 | 725 | Extension for reply within fourth month | |
| 128 | 1,970 | 228 | 985 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,300 | 241 | 650 | Petition to revive - unintentional | |
| 142 | 1300 | 242 | 650 | Utility issue fee (or reissue) | |
| 143 | 470 | 243 | 235 | Design issue fee | |
| 144 | 630 | 244 | 315 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17 (q) | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 | 750 | 246 | 375 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 750 | 249 | 375 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 750 | 279 | 375 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

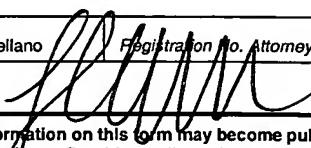
Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 40.00)

SUBMITTED BY**Complete (if applicable)**

| | | | | | |
|-------------------|---|----------------------------------|--------|-----------|---------------|
| Name (Print/Type) | John A. Castellano | Registration No. Attorney/Agent) | 35,094 | Telephone | 703-668-8000 |
| Signature |  | | | Date | July 18, 2003 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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